

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal653hxp

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	May 12	EXTEND option available in structure searching
NEWS	4	May 12	Polymer links for the POLYLINK command completed in REGISTRY
NEWS	5	May 27	New UPM (Update Code Maximum) field for more efficient patent SDIs in Caplus
NEWS	6	May 27	Caplus super roles and document types searchable in REGISTRY
NEWS	7	Jun 28	Additional enzyme-catalyzed reactions added to CASREACT
NEWS	8	Jun 28	ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG, and WATER from CSA now available on STN(R)
NEWS	9	Jul 12	BEILSTEIN enhanced with new display and select options, resulting in a closer connection to BABS
NEWS	10	Jul 30	BEILSTEIN on STN workshop to be held August 24 in conjunction with the 228th ACS National Meeting
NEWS	11	AUG 02	IFIPAT/IFIUDB/IFICDB reloaded with new search and display fields
NEWS	12	AUG 02	Caplus and CA patent records enhanced with European and Japan Patent Office Classifications
NEWS	13	AUG 02	STN User Update to be held August 22 in conjunction with the 228th ACS National Meeting
NEWS	14	AUG 02	The Analysis Edition of STN Express with Discover! (Version 7.01 for Windows) now available
NEWS	15	AUG 04	Pricing for the Save Answers for SciFinder Wizard within STN Express with Discover! will change September 1, 2004
NEWS EXPRESS		JULY 30	CURRENT WINDOWS VERSION IS V7.01, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
NEWS WWW			CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 18:23:19 ON 16 AUG 2004

=> file medline, uspatful, dgene, embase, wpids

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
	0.21	0.21

FILE 'MEDLINE' ENTERED AT 18:23:41 ON 16 AUG 2004

FILE 'USPATFULL' ENTERED AT 18:23:41 ON 16 AUG 2004  
CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'DGENE' ENTERED AT 18:23:41 ON 16 AUG 2004  
COPYRIGHT (C) 2004 THOMSON DERWENT

FILE 'EMBASE' ENTERED AT 18:23:41 ON 16 AUG 2004  
COPYRIGHT (C) 2004 Elsevier Inc. All rights reserved.

FILE 'WPIDS' ENTERED AT 18:23:41 ON 16 AUG 2004  
COPYRIGHT (C) 2004 THOMSON DERWENT

=> s PROX  
L1 1104 PROX

=> s l1 and DNA  
L2 161 L1 AND DNA

=> s l2 and prostate cancer  
3 FILES SEARCHED...  
L3 35 L2 AND PROSTATE CANCER

=> s l2 and vector  
L4 75 L2 AND VECTOR

=> s l4 and host cell  
L5 55 L4 AND HOST CELL

=> s l3 and l5  
L6 27 L3 AND L5

=> d l6 ti abs ibib tot

L6 ANSWER 1 OF 27 USPATFULL on STN  
TI Proteases  
AB The invention provides human proteases (PRTS) and polynucleotides which identify and encode PRTS. The invention also provides expression vectors, host cells, antibodies, agonists, and antagonists. The invention also provides methods for diagnosing, treating, or preventing disorders associated with aberrant expression of PRTS.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2004:70042 USPATFULL

TITLE: Proteases

INVENTOR(S): Todd, Stephen, San Francisco, CA, UNITED STATES  
Delegeane, Angelo M, Milpitas, CA, UNITED STATES  
Gandhi, Ameena R, San Francisco, CA, UNITED STATES  
Nguyen, Danniel B, San Jose, CA, UNITED STATES  
Hafalia, April J A, Daly City, CA, UNITED STATES  
Kearney, Liam, San Francisco, CA, UNITED STATES  
Lu, Yan, Palo Alto, CA, UNITED STATES  
Lee, Ernestine A, Castro Valley, CA, UNITED STATES  
Chawla, Narinder K, Union City, CA, UNITED STATES  
Das, Debopriya, Mountain View, CA, UNITED STATES  
Arvizu, Chandra S, San Jose, CA, UNITED STATES  
Yao, Monique G, Carmel, IN, UNITED STATES  
Kallick, Deborah A, Stanford, CA, UNITED STATES  
Elliott, Vicki S, San Jose, CA, UNITED STATES

Ding, Li, Creve Coeur, MI, UNITED STATES  
 Yue, Henry, Sunnyvale, CA, UNITED STATES  
 Reddy, Roopa M, Fremont, CA, UNITED STATES  
 Lu, Dyung Aina M, San Jose, CA, UNITED STATES  
 Ramkumar, Jayalaxmi, Fremont, CA, UNITED STATES  
 Yang, Junming, San Jose, CA, UNITED STATES  
 Tribouley, Catherine M, San Francisco, CA, UNITED STATES  
 Burford, Neil, Durham, CT, UNITED STATES  
 Baughn, Mariah R, San Leandro, CA, UNITED STATES  
 Lal, Preeti G, Santa Clara, CA, UNITED STATES  
 Borowsky, Mark L, Redwood City, CA, UNITED STATES  
 Khan, Farrah A, Des Plaines, IL, UNITED STATES  
 Gururajan, Rajagopal, San Jose, CA, UNITED STATES  
 Tang, Y Tom, San Jose, CA, UNITED STATES  
 Au-Young, Janice K, Brisbane, CA, UNITED STATES  
 Warren, Bridget A, Encinitas, CA, UNITED STATES  
 Hernandez, Roberto, Canterbury, UNITED KINGDOM  
 Duggan, Brendan M, Sunnyvale, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004053269	A1	20040318
APPLICATION INFO.:	US 2003-363937	A1	20030304 (10)
	WO 2001-US28161		20010906
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	INCYTE CORPORATION, 3160 PORTER DRIVE, PALO ALTO, CA, 94304		
NUMBER OF CLAIMS:	89		
EXEMPLARY CLAIM:	1		
LINE COUNT:	8118		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L6 ANSWER 2 OF 27 USPATFULL on STN  
 TI Poroplasts  
 AB The invention provides compositions and methods for the production of achromosomal and anucleate cells useful for applications such as diagnostic and therapeutic uses, as well as research tools and agents for drug discovery.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 ACCESSION NUMBER: 2004:7465 USPATFULL  
 TITLE: Poroplasts  
 INVENTOR(S): Surber, Mark W., Coronado, CA, UNITED STATES  
 Giacalone, Matthew, San Diego, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004005700	A1	20040108
APPLICATION INFO.:	US 2002-157339	A1	20020528 (10)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614		
NUMBER OF CLAIMS:	18		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	2 Drawing Page(s)		
LINE COUNT:	18539		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L6 ANSWER 3 OF 27 USPATFULL on STN  
 TI Minicell-based screening for compounds and proteins that modulate the activity of signalling proteins

AB The invention provides compositions and methods for the production of achromosomal and anucleate cells useful for applications such as diagnostic and therapeutic uses, as well as research tools and agents for drug discovery.

ACCESSION NUMBER: 2003:330124 USPATFULL  
TITLE: Minicell-based screening for compounds and proteins that modulate the activity of signalling proteins  
INVENTOR(S): Surber, Mark W., Coronado, CA, UNITED STATES  
Berkley, Neil, San Diego, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003232335	A1	20031218
APPLICATION INFO.:	US 2002-157317	A1	20020528 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-359843P	20020225 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	18564	

L6 ANSWER 4 OF 27 USPATFULL on STN

TI Antibodies to native conformations of membrane proteins  
AB The invention provides compositions and methods for the production of achromosomal and anucleate cells useful for applications such as diagnostic and therapeutic uses, as well as research tools and agents for drug discovery.

ACCESSION NUMBER: 2003:318700 USPATFULL  
TITLE: Antibodies to native conformations of membrane proteins  
INVENTOR(S): Sabbadini, Roger A., Lakeside, CA, UNITED STATES  
Berkley, Neil, San Diego, CA, UNITED STATES  
Surber, Mark W., Coronado, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003224444	A1	20031204
APPLICATION INFO.:	US 2002-157491	A1	20020528 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-359843P	20020225 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614	
NUMBER OF CLAIMS:	19	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	18559	

L6 ANSWER 5 OF 27 USPATFULL on STN

TI Reverse screening and target identification with minicells  
AB The invention provides compositions and methods for the production of achromosomal and anucleate cells useful for applications such as diagnostic and therapeutic uses, as well as research tools and agents for drug discovery.

ACCESSION NUMBER: 2003:318625 USPATFULL  
TITLE: Reverse screening and target identification with  
minicells  
INVENTOR(S): Surber, Mark W., Coronado, CA, UNITED STATES  
Berkley, Neil, San Diego, CA, UNITED STATES  
Gerhart, William, La Mesa, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003224369	A1	20031204
APPLICATION INFO.:	US 2002-157171	A1	20020528 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-359843P	20020225 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	18610	

L6 ANSWER 6 OF 27 USPATFULL on STN  
TI Minicell-based bioremediation  
AB The invention provides compositions and methods for the production of  
achromosomal and anucleate cells useful for applications such as  
diagnostic and therapeutic uses, as well as research tools and agents  
for drug discovery.

ACCESSION NUMBER: 2003:312291 USPATFULL  
TITLE: Minicell-based bioremediation  
INVENTOR(S): Segall, Anca M., San Diego, CA, UNITED STATES  
Klepper, Robert, San Diego, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003219888	A1	20031127
APPLICATION INFO.:	US 2002-157418	A1	20020528 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2002-154951, filed on 24 May 2002, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-359843P	20020225 (60)
	US 2001-293566P	20010524 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	18632	

L6 ANSWER 7 OF 27 USPATFULL on STN  
TI Methods of making pharmaceutical compositions with minicells  
AB The invention provides compositions and methods for the production of  
achromosomal and anucleate cells useful for applications such as  
diagnostic and therapeutic uses, as well as research tools and agents  
for drug discovery.

ACCESSION NUMBER: 2003:311814 USPATFULL  
TITLE: Methods of making pharmaceutical compositions with minicells  
INVENTOR(S): Sabbadini, Roger A., Lakeside, CA, UNITED STATES  
Klepper, Robert, San Diego, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003219408	A1	20031127
APPLICATION INFO.:	US 2002-157320	A1	20020528 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2002-154951, filed on 24 May 2002, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-359843P	20020225 (60)
	US 2001-293566P	20010524 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	18632	

L6 ANSWER 8 OF 27 USPATFULL on STN  
TI Minicell-based delivery agents  
AB The invention provides compositions and methods for the production of achromosomal and anucleate cells useful for applications such as diagnostic and therapeutic uses, as well as research tools and agents for drug discovery.

ACCESSION NUMBER: 2003:300375 USPATFULL  
TITLE: Minicell-based delivery agents  
INVENTOR(S): Sabbadini, Roger A., Lakeside, CA, UNITED STATES  
Klepper, Robert, San Diego, CA, UNITED STATES  
Surber, Mark W., Coronado, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003211599	A1	20031113
APPLICATION INFO.:	US 2002-157106	A1	20020528 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2002-154951, filed on 24 May 2002, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-359843P	20020225 (60)
	US 2001-293566P	20010524 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614	
NUMBER OF CLAIMS:	12	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	18671	

L6 ANSWER 9 OF 27 USPATFULL on STN  
TI Minicell-based selective absorption  
AB The invention provides compositions and methods for the production of achromosomal and anucleate cells useful for applications such as diagnostic and therapeutic uses, as well as research tools and agents

for drug discovery.

ACCESSION NUMBER: 2003:299865 USPATFULL  
TITLE: Minicell-based selective absorption  
INVENTOR(S): Berkley, Neil, San Diego, CA, UNITED STATES  
Sabbadini, Roger A., Lakeside, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003211086	A1	20031113
APPLICATION INFO.:	US 2002-157073	A1	20020528 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-295566P	20010605 (60)
	US 2002-359843P	20020225 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614	
NUMBER OF CLAIMS:	17	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	18553	

L6 ANSWER 10 OF 27 USPATFULL on STN  
TI Pharmaceutical compositions with minicells  
AB The invention provides compositions and methods for the production of  
achromosomal and anucleate cells useful for applications such as  
diagnostic and therapeutic uses, as well as research tools and agents  
for drug discovery.

ACCESSION NUMBER: 2003:294815 USPATFULL  
TITLE: Pharmaceutical compositions with minicells  
INVENTOR(S): Berkley, Neil, San Diego, CA, UNITED STATES  
Klepper, Robert, San Diego, CA, UNITED STATES  
Sabbadini, Roger A., Lakeside, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003207833	A1	20031106
APPLICATION INFO.:	US 2002-156811	A1	20020528 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-359843P	20020225 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	18585	

L6 ANSWER 11 OF 27 USPATFULL on STN  
TI Conjugated minicells  
AB The invention provides compositions and methods for the production of  
achromosomal and anucleate cells useful for applications such as  
diagnostic and therapeutic uses, as well as research tools and agents  
for drug discovery.

ACCESSION NUMBER: 2003:288723 USPATFULL  
TITLE: Conjugated minicells

INVENTOR(S) : Surber, Mark W., Coronado, CA, UNITED STATES  
Klepper, Robert, San Diego, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003203481	A1	20031030
APPLICATION INFO.:	US 2002-157213	A1	20020528 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-359843P	20020225 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614	
NUMBER OF CLAIMS:	12	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	18551	

L6 ANSWER 12 OF 27 USPATFULL on STN  
TI Methods of minicell-based delivery  
AB The invention provides compositions and methods for the production of  
achromosomal and anucleate cells useful for applications such as  
diagnostic and therapeutic uses, as well as research tools and agents  
for drug discovery.

ACCESSION NUMBER: 2003:288653 USPATFULL  
TITLE: Methods of minicell-based delivery  
INVENTOR(S) : Sabbadini, Roger A., Lakeside, CA, UNITED STATES  
Berkley, Neil, San Diego, CA, UNITED STATES  
Klepper, Robert, San Diego, CA, UNITED STATES  
Surber, Mark W., Coronado, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003203411	A1	20031030
APPLICATION INFO.:	US 2002-156792	A1	20020528 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-295566P	20010605 (60)
	US 2002-359843P	20020225 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	18582	

L6 ANSWER 13 OF 27 USPATFULL on STN  
TI Minicell-based diagnostics  
AB The invention provides compositions and methods for the production of  
achromosomal and anucleate cells useful for applications such as  
diagnostic and therapeutic uses, as well as research tools and agents  
for drug discovery.

ACCESSION NUMBER: 2003:288179 USPATFULL  
TITLE: Minicell-based diagnostics  
INVENTOR(S) : Sabbadini, Roger A., Lakeside, CA, UNITED STATES  
Klepper, Robert, San Diego, CA, UNITED STATES  
Berkley, Neil, San Diego, CA, UNITED STATES



	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003202937	A1	20031030
APPLICATION INFO.:	US 2002-157178	A1	20020528 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-295566P	20010605 (60)
	US 2002-359843P	20020225 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614	
NUMBER OF CLAIMS:	19	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	18527	

L6 ANSWER 14 OF 27 USPATFULL on STN

TI Membrane to membrane delivery

AB The invention provides compositions and methods for the production of achromosomal and anucleate cells useful for applications such as diagnostic and therapeutic uses, as well as research tools and agents for drug discovery.

ACCESSION NUMBER: 2003:282746 USPATFULL

TITLE: Membrane to membrane delivery

INVENTOR(S): Surber, Mark W., Coronado, CA, UNITED STATES  
Sabbadini, Roger A., Lakeside, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003199089	A1	20031023
APPLICATION INFO.:	US 2002-157318	A1	20020528 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-295566P	20010605 (60)
	US 2002-359843P	20020225 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	18530	

L6 ANSWER 15 OF 27 USPATFULL on STN

TI Minicell-based gene therapy

AB The invention provides compositions and methods for the production of achromosomal and anucleate cells useful for applications such as diagnostic and therapeutic uses, as well as research tools and agents for drug discovery.

ACCESSION NUMBER: 2003:282745 USPATFULL

TITLE: Minicell-based gene therapy

INVENTOR(S): Sabbadini, Roger A., Lakeside, CA, UNITED STATES  
Berkley, Neil, San Diego, CA, UNITED STATES  
Surber, Mark W., Coronado, CA, UNITED STATES

NUMBER	KIND	DATE
-----	-----	-----

PATENT INFORMATION: US 2003199088 A1 20031023  
APPLICATION INFO.: US 2002-156902 A1 20020528 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-295566P	20010605 (60)
	US 2002-359843P	20020225 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	15300	

L6 ANSWER 16 OF 27 USPATFULL on STN  
TI Solid supports with minicells  
AB The invention provides compositions and methods for the production of  
achromosomal and anucleate cells useful for applications such as  
diagnostic and therapeutic uses, as well as research tools and agents  
for drug discovery.

ACCESSION NUMBER: 2003:282662 USPATFULL  
TITLE: Solid supports with minicells  
INVENTOR(S): Sabbadini, Roger, Lakeside, CA, UNITED STATES  
Klepper, Robert, San Diego, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003199005	A1	20031023
APPLICATION INFO.:	US 2002-157166	A1	20020528 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2002-154951, filed on 24 May 2002, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-359843P	20020225 (60)
	US 2001-293566P	20010524 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	18494	

L6 ANSWER 17 OF 27 USPATFULL on STN  
TI Minicell libraries  
AB The invention provides compositions and methods for the production of  
achromosomal and anucleate cells useful for applications such as  
diagnostic and therapeutic uses, as well as research tools and agents  
for drug discovery.

ACCESSION NUMBER: 2003:282653 USPATFULL  
TITLE: Minicell libraries  
INVENTOR(S): Surber, Mark W., Coronado, CA, UNITED STATES  
Berkley, Neil, San Diego, CA, UNITED STATES  
Gerhart, William, La Mesa, CA, UNITED STATES  
Sabbadini, Roger A., Lakeside, CA, UNITED STATES

NUMBER	KIND	DATE
-----		

PATENT INFORMATION: US 2003198996 A1 20031023  
APPLICATION INFO.: US 2002-157147 A1 20020528 (10)  
RELATED APPLN. INFO.: Division of Ser. No. US 2002-154951, filed on 24 May  
2002, PENDING

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-293566P	20010524 (60)
	US 2002-359843P	20020225 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	18482	

L6 ANSWER 18 OF 27 USPATFULL on STN  
TI Forward screening with minicells  
AB The invention provides compositions and methods for the production of  
achromosomal and anucleate cells useful for applications such as  
diagnostic and therapeutic uses, as well as research tools and agents  
for drug discovery.

ACCESSION NUMBER: 2003:282652 USPATFULL  
TITLE: Forward screening with minicells  
INVENTOR(S): Sabbadini, Roger A., Lakeside, CA, UNITED STATES  
Berkley, Neil, San Diego, CA, UNITED STATES  
Surber, Mark W., Coronado, CA, UNITED STATES  
Gerhart, William, La Mesa, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003198995	A1	20031023
APPLICATION INFO.:	US 2002-156831	A1	20020528 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2002-154951, filed on 24 May 2002, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-359843P	20020225 (60)
	US 2001-293566P	20010524 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614	
NUMBER OF CLAIMS:	15	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	18533	

L6 ANSWER 19 OF 27 USPATFULL on STN  
TI Minicell compositions and methods  
AB The invention provides compositions and methods for the production of  
achromosomal and anucleate cells useful for applications such as  
diagnostic and therapeutic uses, as well as research tools and agents  
for drug discovery.

ACCESSION NUMBER: 2003:276773 USPATFULL  
TITLE: Minicell compositions and methods  
INVENTOR(S): Surber, Mark W., Coronado, CA, UNITED STATES  
Sabbadini, Roger A., Lakeside, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003194798	A1	20031016
APPLICATION INFO.:	US 2002-154951	A1	20020524 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-293566P	20010524 (60)
	US 2002-359843P	20020225 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	18583	

L6 ANSWER 20 OF 27 USPATFULL on STN  
 TI Minicell-based transformation  
 AB The invention provides compositions and methods for the production of  
 achromosomal and anucleate cells useful for applications such as  
 diagnostic and therapeutic uses, as well as research tools and agents  
 for drug discovery.

ACCESSION NUMBER: 2003:276689 USPATFULL  
 TITLE: Minicell-based transformation  
 INVENTOR(S): Sabbadini, Roger A., Lakeside, CA, UNITED STATES  
 Berkley, Neil, San Diego, CA, UNITED STATES  
 Surber, Mark W., Coronado, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003194714	A1	20031016
APPLICATION INFO.:	US 2002-157299	A1	20020528 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-295566P	20010605 (60)
	US 2002-359843P	20020225 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	18595	

L6 ANSWER 21 OF 27 USPATFULL on STN  
 TI Minicell-producing parent cells  
 AB The invention provides compositions and methods for the production of  
 achromosomal and anucleate cells useful for applications such as  
 diagnostic and therapeutic uses, as well as research tools and agents  
 for drug discovery.

ACCESSION NUMBER: 2003:271146 USPATFULL  
 TITLE: Minicell-producing parent cells  
 INVENTOR(S): Surber, Mark W., Coronado, CA, UNITED STATES  
 Sabbadini, Roger A., Lakeside, CA, UNITED STATES  
 Segall, Anca M., San Diego, CA, UNITED STATES  
 Berkley, Neil, San Diego, CA, UNITED STATES

NUMBER	KIND	DATE
--------	------	------

-----  
PATENT INFORMATION: US 2003190749 A1 20031009  
APPLICATION INFO.: US 2002-157215 A1 20020528 (10)  
RELATED APPLN. INFO.: Division of Ser. No. US 2002-154951, filed on 24 May  
2002, PENDING

-----  
NUMBER DATE  
-----  
PRIORITY INFORMATION: US 2002-359843P 20020225 (60)  
US 2001-293566P 20010524 (60)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET,  
FOURTEENTH FLOOR, IRVINE, CA, 92614  
NUMBER OF CLAIMS: 20  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 2 Drawing Page(s)  
LINE COUNT: 18577

L6 ANSWER 22 OF 27 USPATFULL on STN  
TI Minicell-based rational drug design  
AB The invention provides compositions and methods for the production of  
achromosomal and anucleate cells useful for applications such as  
diagnostic and therapeutic uses, as well as research tools and agents  
for drug discovery.

ACCESSION NUMBER: 2003:271080 USPATFULL  
TITLE: Minicell-based rational drug design  
INVENTOR(S): Sabbadini, Roger A., Lakeside, CA, UNITED STATES  
Surber, Mark W., Coronado, CA, UNITED STATES

-----  
NUMBER KIND DATE  
-----  
PATENT INFORMATION: US 2003190683 A1 20031009  
APPLICATION INFO.: US 2002-157302 A1 20020528 (10)  
RELATED APPLN. INFO.: Division of Ser. No. US 2002-154951, filed on 24 May  
2002, PENDING

-----  
NUMBER DATE  
-----  
PRIORITY INFORMATION: US 2002-359843P 20020225 (60)  
US 2001-293566P 20010524 (60)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET,  
FOURTEENTH FLOOR, IRVINE, CA, 92614  
NUMBER OF CLAIMS: 15  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 2 Drawing Page(s)  
LINE COUNT: 18539

L6 ANSWER 23 OF 27 USPATFULL on STN  
TI Target display on minicells  
AB The invention provides compositions and methods for the production of  
achromosomal and anucleate cells useful for applications such as  
diagnostic and therapeutic uses, as well as research tools and agents  
for drug discovery.

ACCESSION NUMBER: 2003:270998 USPATFULL  
TITLE: Target display on minicells  
INVENTOR(S): Sabbadini, Roger A., Lakeside, CA, UNITED STATES  
Berkley, Neil, San Diego, CA, UNITED STATES  
Surber, Mark W., Coronado, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003190601	A1	20031009
APPLICATION INFO.:	US 2002-157096	A1	20020528 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2002-154951, filed on 24 May 2002, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-359843P	20020225 (60)
	US 2001-293566P	20010524 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	18581	

L6 ANSWER 24 OF 27 USPATFULL on STN  
 TI Minicell-based transfection  
 AB The invention provides compositions and methods for the production of achromosomal and anucleate cells useful for applications such as diagnostic and therapeutic uses, as well as research tools and agents for drug discovery.

ACCESSION NUMBER: 2003:238122 USPATFULL  
 TITLE: Minicell-based transfection  
 INVENTOR(S): Sabbadini, Roger A., Lakeside, CA, UNITED STATES  
 Berkley, Neil, San Diego, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003166279	A1	20030904
APPLICATION INFO.:	US 2002-157391	A1	20020528 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2002-154951, filed on 24 May 2002, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-359843P	20020225 (60)
	US 2001-293566P	20010524 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	18548	

L6 ANSWER 25 OF 27 USPATFULL on STN  
 TI Minicells comprising membrane proteins  
 AB The invention provides compositions and methods for the production of achromosomal and anucleate cells useful for applications such as diagnostic and therapeutic uses, as well as research tools and agents for drug discovery.

ACCESSION NUMBER: 2003:237942 USPATFULL  
 TITLE: Minicells comprising membrane proteins  
 INVENTOR(S): Sabbadini, Roger A., Lakeside, CA, UNITED STATES  
 Surber, Mark W., Coronado, CA, UNITED STATES  
 Berkley, Neil, San Diego, CA, UNITED STATES

Segall, Anca M., San Diego, CA, UNITED STATES  
Klepper, Robert, San Diego, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003166099	A1	20030904
APPLICATION INFO.:	US 2002-157305	A1	20020528 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-295566P	20010605 (60)
	US 2002-359843P	20020225 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	18580	

L6 ANSWER 26 OF 27 USPATFULL on STN

TI Human genes and gene expression products

AB This invention relates to novel human polynucleotides and variants thereof, their encoded polypeptides and variants thereof, to genes corresponding to these polynucleotides and to proteins expressed by the genes. The invention also relates to diagnostic and therapeutic agents employing such novel human polynucleotides, their corresponding genes or gene products, e.g., these genes and proteins, including probes, antisense constructs, and antibodies.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:64662 USPATFULL  
TITLE: Human genes and gene expression products  
INVENTOR(S): Williams, Lewis T., Mill Valley, CA, UNITED STATES  
Escobedo, Jaime, Alamo, CA, UNITED STATES  
Innis, Michael A., UNITED STATES  
Garcia, Pablo Dominguez, San Francisco, CA, UNITED STATES  
Sudduth-Klinger, Julie, Kensington, CA, UNITED STATES  
Reinhard, Christoph, Alameda, CA, UNITED STATES  
Randazzo, Filippo, Oakland, CA, UNITED STATES  
Kennedy, Giulia C., San Francisco, CA, UNITED STATES  
Pot, David, Arlington, VA, UNITED STATES  
Kassam, Altaf, Oakland, CA, UNITED STATES  
Lamson, George, Moraga, CA, UNITED STATES  
Drmanac, Radjoe, Palo Alto, CA, UNITED STATES  
Dickson, Mark, Hollister, CA, UNITED STATES  
Labat, Ivan, Mountain View, CA, UNITED STATES  
Jones, Lee William, Sunnyvale, CA, UNITED STATES  
Stache-Crain, Birgit, Sunnyvale, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003044783	A1	20030306
APPLICATION INFO.:	US 2001-803719	A1	20010309 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-188609P	20000309 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Chiron Corporation Intellectual Property -R440, PO Box 8097, Emeryville, CA, 94662-8097	

NUMBER OF CLAIMS: 15  
EXEMPLARY CLAIM: 1  
LINE COUNT: 23459  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 27 OF 27 USPATFULL on STN  
TI Novel amino acid sequences for human fetal brain-like polypeptides  
AB This application is drawn to novel amino acid sequences for mammalian polypeptides that have sequence similarity to fetal brain tissue protein. The polypeptides are novel secreted proteins 649 amino acids in length.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
ACCESSION NUMBER: 2003:4266 USPATFULL  
TITLE: Novel amino acid sequences for human fetal brain-like polypeptides  
INVENTOR(S): Shimkets, Richard A., West Haven, CT, UNITED STATES  
Fernandes, Elma, Branford, CT, UNITED STATES  
PATENT ASSIGNEE(S): CuraGen Corporation, New Haven, CT (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003004310	A1	20030102
APPLICATION INFO.:	US 2001-4551	A1	20011205 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-635949, filed on 10 Aug 2000, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-148433P	19990811 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	MINTZ, LEVIN, COHN, FERRIS,, GLOVSKY AND POPEO, P.C., One Financial Center, Boston, MA, 02111	
NUMBER OF CLAIMS:	15	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	5 Drawing Page(s)	
LINE COUNT:	6347	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 18:23:19 ON 16 AUG 2004)

FILE 'MEDLINE, USPATFULL, DGENE, EMBASE, WPIDS' ENTERED AT 18:23:41 ON 16 AUG 2004

L1 1104 S PROX  
L2 161 S L1 AND DNA  
L3 35 S L2 AND PROSTATE CANCER  
L4 75 S L2 AND VECTOR  
L5 55 S L4 AND HOST CELL  
L6 27 S L3 AND L5

=> s l6 and renal cancer  
L7 1 L6 AND RENAL CANCER

=> e shimkets, r/au  
E1 133 SHIMKETS RICHARD A/AU  
E2 2 SHIMKETS RICHARD AUGUST/AU  
E3 0 --> SHIMKETS, R/AU  
E4 2 SHIMKEVICH A L/AU  
E5 2 SHIMKEVICH A M/AU  
E6 3 SHIMKEVICH ALEXANDER LVOVICH/AU



E7 1 SHIMKEVICH ANDREY M/AU  
E8 8 SHIMKEVICH I A/AU  
E9 1 SHIMKEVICH L D/AU  
E10 53 SHIMKEVICH L L/AU  
E11 6 SHIMKEVICH R L/AU  
E12 1 SHIMKEVICH S V/AU

=> s e1

L8 133 "SHIMKETS RICHARD A"/AU

=> s e2

L9 2 "SHIMKETS RICHARD AUGUST"/AU

=> s l8 and l9

L10 0 L8 AND L9

=> d his

(FILE 'HOME' ENTERED AT 18:23:19 ON 16 AUG 2004)

FILE 'MEDLINE, USPATFULL, DGENE, EMBASE, WPIDS' ENTERED AT 18:23:41 ON 16  
AUG 2004

L1 1104 S PROX  
L2 161 S L1 AND DNA  
L3 35 S L2 AND PROSTATE CANCER  
L4 75 S L2 AND VECTOR  
L5 55 S L4 AND HOST CELL  
L6 27 S L3 AND L5  
L7 1 S L6 AND RENAL CANCER  
E SHIMKETS, R/AU  
L8 133 S E1  
L9 2 S E2  
L10 0 S L8 AND L9

=> s l1 and l8

L11 1 L1 AND L8

=> d l11 ti abs ibib tot

L11 ANSWER 1 OF 1 USPATFULL on STN

TI Novel amino acid sequences for human fetal brain-like polypeptides

AB This application is drawn to novel amino acid sequences for mammalian polypeptides that have sequence similarity to fetal brain tissue protein. The polypeptides are novel secreted proteins 649 amino acids in length.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:4266 USPATFULL

TITLE: Novel amino acid sequences for human fetal brain-like polypeptides

INVENTOR(S): Shimkets, Richard A., West Haven, CT, UNITED STATES

Fernandes, Elma, Branford, CT, UNITED STATES

PATENT ASSIGNEE(S): CuraGen Corporation, New Haven, CT (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003004310	A1	20030102
APPLICATION INFO.:	US 2001-4551	A1	20011205 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-635949, filed on 10 Aug 2000, PENDING		

NUMBER	DATE
-----	-----

PRIORITY INFORMATION: US 1999-148433P 19990811 (60)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: MINTZ, LEVIN, COHN, FERRIS,, GLOVSKY AND POPEO, P.C.,  
One Financial Center, Boston, MA, 02111  
NUMBER OF CLAIMS: 15  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 5 Drawing Page(s)  
LINE COUNT: 6347  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.